Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

		D .: ++					
LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ma	Location * N/A			
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
ltom	Operations & Maintenance				0		0
пеш	Manuals	Manuals			0		0
DWR ID	DWR_RD1	500_01_s _ 201	3_9				
		Comn	nent Coo	le			
		Inspecto	or Comm	nent			
RD 1500 h	as their O	&M Manual.					

No Photos

LM Start		Rating **	Α	Issue No.		55			
LM End		Issue Type +	Ma	Location *	N/A				
Catagony	Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End			
Item		cy Supplies &			0		0		
пеш	Equipmen	nt			0		0		
DWR ID	DWR_RD1	500_01_s _ 201	3_55						
		Comn	nent Cod	le					
	Inspector Comment								
RD 1500 n	naintains a	stockpile of f	lood resp	ponse mate	erial.				

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start		Rating **	Α	Issue No.		61	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen Levee GPS Latitude/Lo				le/Longitude		
Calegory			Start		End		
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID	DWR_RD1	500_01_s _ 201	3_61				
		Comn	nent Coo	le			
			_				
		Inspecto	or Comm	ent			
RD 1500 is	s current w	ith it's flood re	esponse	plans and t	rain	ing.	

No Photos

		D-4: **		Innua Na		40=			
LM Start	0.07	Rating **	М	Issue No.	137				
LM End	0.07	Issue Type +	Ma	Location *		LS			
Category	Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End			
Item	Trim / Thi	n Trees		38.7610	77°	38.761077°			
item				-121.6758	51 °	-121.675851 °			
DWR ID	DWR_RD1	500_01_f _ 201	6_137						
		Comn	nont Coc	40					

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

Photo 1 of 1: SP_2017_RD1500_189_137_20170320_00090.jpg



A tree on landside slope needs trimming. Fall 2016.

LM Start	0.26	Rating **	М	Issue No.		155
LM End	0.26	Issue Type +	Ma	Location *	LS	
Category	Earthen L		GPS Latitude/Longitude			
Calegory		Start		End		
Item	Animal Co	ontrol		38.7625	84°	38.762584°
item				-121.6785	42 °	-121.678542°
DWR ID DWR_RD1500_01_s _ 2017_155						
		Comn	nent Cod	le		

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on landside slope. Spring 2017.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

-							
LM Start	0.30	Rating **	М	Issue No.		152	
LM End	0.30	Issue Type +	Ma	Location *		LS	
Category	evee		GPS La	atitud	le/Longitude		
Calegory			Start		End		
Item	Animal Co	ontrol		38.7630	33°	38.763033 °	
пеш	-121.678864 ° -121.678						
DWR ID	DWR_RD1	500_01_s _ 201	7_152				
		Comn	nent Cod	de			
A3 : No roc compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			



View of rodent holes on landside slope. Spring 2017.

LM Start	0.32	Rating **	М	Issue No.		135	
LM End	0.32	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Co	ontrol		38.7632	67°	38.763267	0
пеш				-121.6790	50°	-121.679050	0
DWR ID	DWR_RD1	500_01_f _ 2010	6_135				

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Rodent activity on LS slope. Fall 2016.

N: Not Inspected/Rated

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.34	Rating **	М	Issue No.	151		
LM End	0.34	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS La	titud	e/Longitude		
				Start		End	
Item	Animal Co	ontrol		38.7634	74 °	38.763474 °	
пеш				-121.6792	99°	-121.679299 °	
DWR ID	DWR_RD1500_01_s _ 2017_151						
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on landside slope. Spring 2017.

LM Start	0.37	Rating **	М	Issue No.		149	
LM End	0.37	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Control			38.7638	26°	38.763826°	
item				-121.6797	87 °	-121.679787 °	
DWR ID	DWR_RD1	500_01_s _ 201	7_149				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent holes on landside slope. Spring 2017.

LM Start	0.38	Rating **	М	Issue No.		148
LM End	0.38	Issue Type +	Ма	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
				Start		End
Item	Animal Co	ontrol		38.76391	3°	38.763913 °
пеш					6°	-121.679946 °
DWR ID	DWR_RD1	500_01_s _ 201	7_148			

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent hole on landside slope. Spring 2017.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.41	Rating **	М	Issue No.	147		
LM End	0.41	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory						End	
Animal Control			38.7641	06°	38.764106 °		
пеш			-121.680347 °		-121.680347 °		
DWR ID DWR_RD1500_01_s _ 2017_147							
		Comn	nent Cod	de			
	dents visib or grout but	le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			



View of rodent holes on landside slope. Spring 2017.

LM Start	0.46	Rating **	М	Issue No.		133	
LM End	0.46	Issue Type +	Ma	Ma Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
ltom	Animal Co	Animal Control			80°	38.764380	0
Item				-121.6812	12 °	-121.681212	0
DWR ID	DWR_RD1500_01_s _ 2017_133						
	- · · · · · · · · ·	-					

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment





View of rodent holes on landside slope. Spring 2017.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.49	Rating **	М	Issue No.	134			
LM End	0.49	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory			Start		End			
Item	Animal Control			38.7644	97°	38.764497 °		
пеш				-121.681867 °		-121.681867 °		
DWR ID	DWR_RD1	500_01_f _ 201	6_134					
		Comn	nent Cod	de				
	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
	Inspector Comment							



Rodent burrows on LS slope. Fall 2016.

LM Start	0.52	Rating **	М	Issue No.		132	
LM End	1.32	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.7645	11 °	38.769937 °	
пеш				-121.6823	44 °	-121.690701 °	
DWR ID	DWR_RD1500_01_s _ 2017_132						
Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Nο	Photos	:

LM Start	0.52	Rating **	М	Issue No.	128			
LM End	3.93	Issue Type +	Ма	Location *	WS			
Category Earthen Levee			GPS La	titud	e/Longitude			
Calegory				Start		End		
Item	Vegetatio	n		38.7645	12°	38.797455	0	
пеш				-121.6823	45 °	-121.695529	0	
DWR ID	DWR_RD1500_01_s _ 2017_128							
Comment Code								

V1 : Control annual grass and weeds on the levee slopes and easements

Inspector Comment

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	0.56	Rating **	A/W	Issue No.		72	
LM End	0.82	Issue Type +	Ма	Location *		WS	
Category	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		38.7644	62°	38.764638 °	
пеш	-121.683167 ° -12						
DWR ID DWR_RD1500_01_s _ 2012_72							
		Comn	nent Cod	de			
V8 : Envir	onmental F	Requirements.					
			_				
	Inspector Comment						

LM Start	0.56	Rating **	A/W	Issue No.	72 (cont)
LM End	0.82	Issue Type +	Ma	Location *	WS



View of the revegetation site on the waterward side toe of the levee looking upstream. Spring 2016.

Photo 2 of 2: SP_2017_RD1500_189_72_20170320_00042.jpg



Sign is located at the toe of the levee on the waterward side. Spring 2016.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	1.34	Rating **	A/W	Issue No.		6
LM End	1.95	Issue Type +	Ma	Location *		WS
Category	ental	GPS La	tituc	le/Longitude		
Calegory				Start		End
Item		ACE Erosion S	Survey,	38.77039	00°	38.777282 °
пеш	DRAFT			-121.69055	i3°	-121.685841 °
DWR ID	DWR ID DWR_RD1500_01_s _ 2016_6					
	Comment Code					

Inspector Comment

2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012 - Minor new erosion at bank mid point. 2013 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_86-3_L]



USACE 2013 Photo #1

LM Start	1.48	Rating **	М	Issue No.		127		
LM End	3.93	Issue Type +	Ma	Location *		LS		
Category	GPS La	titud	le/Longitude					
Category				Start		End		
Item	Vegetatio	n		38.77128	0°	38.797455	0	
item			-121.68832	° 0	-121.695529	0		
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_127							
	Comment Code							

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	2.30	Rating **	A/W	Issue No.		2
LM End	2.52	Issue Type +	Ma	Location *		WS
Category	ental	GPS Latitude/Longitude				
Calegory				Start		End
Item	2015 USA	Survey,	38.7819	62°	38.784936 °	
пеш	DRAFT		-121.68803	33 °	-121.690033 °	
DWR ID DWR_RD1500_01_s _ 2016_2						
	Comment Code					

Inspector Comment

2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015: Significant new toe erosion. [2015 Site ID: SAC_87-1_L]



USACE 2013 Photo #1

LM Start	2.56	Rating **	М	Issue No.		129
LM End	2.56	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory	zategory					End
Item	Encroachments			38.78563	33 °	38.785633 °
item	item				77 °	-121.688777°
DWR ID DWR_RD1500_01_s _ 2017_129						
	Comment Code					

TR: Tree or limb

Inspector Comment

No Photos

LM Start	4.00	Rating **	М	Issue No.		124	_
LM End	5.31	Issue Type +	Ма	Location *		LS	
Category	GPS La	titud	e/Longitude				
Calegory		Start		End			
ltom	Vegetatio	n		38.79824	18°	38.803144	0
пеш	Item -121.696243 ° -121.715						0
DWR ID DWR_RD1500_01_s _ 2017_124							
Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	4.00	Rating **	М	Issue No.		146		
LM End	5.59	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		38.7982	49°	38.803107°		
пеш	item					-121.719942 °		
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_146							
		Comn	nent Cod	de				
V1 : Contr	ol annual g	grass and wee	ds on th	e levee slo	pes a	and		
easements	3.							
		Inspect	or Comm	nent				

No Photos

LM Start	5.37	Rating **	M	Issue No.		145			
LM End	5.59	Issue Type +	Ma	Location *		LS			
Category Earthen Levee			GPS Latitude/Longitude						
			Start		End				
Vegetation				38.803459°		38.803105 °			
пеш				-121.7159	01 °	-121.719942°			
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_145								
Comment Code									
V1 : Contro	V1 : Control annual grass and weeds on the levee slopes and								

No Photos

easements

Inspector Comment

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

11101	5.60	Rating **	М	Issue No.		156		
LM Start	5.60	Rating	IVI	issue ivo.		156		
LM End	6.98	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetation			38.8030	57°	38.821737 °		
item		-121.720256 ° -12				-121.722938 °		
DWR ID DWR_RD1500_01_s _ 2017_156								
		Comn	nent Coo	le				
V1 : Control annual grass and weeds on the levee slopes and easements.								
Inspector Comment								

No Photos

LM Start	5.60	Rating **	M	Issue No.		154		
LM End	9.58	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Vegetatio	n		38.803057		38.852733	۰	
iteiii				-121.7202	56°	-121.723308	۰	
DWR ID	DWR_RD1	500_01_s _ 201	7_154					
		Comn	nent Cod	le				

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Nο	Photos

LM Start	6.08	Rating **	С	Issue No.		123		
LM End	6.08	Issue Type +	Ma	Location *		WS		
Catagori Earthen Levee			GPS Latitude/Longitude					
Category			Start		End			
Item	Encroachments			38.8087	36°	38.808736°		
item		-121.7228	00°	-121.722800 °				
DWR ID	DWR ID DWR_RD1500_01_f _ 2016_123							
Comment Code								
DE : Debris								

No Photos

Inspector Comment

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	7.03	Rating **	М	Issue No.		157	
LM End	7.45	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetation			38.8224	36°	38.828431	
пеш	-				27 °	-121.724041	
DWR ID DWR_RD1500_01_s _ 2017_157							
		Comn	nent Cod	de			
V1 : Contro easements		grass and wee	eds on th	e levee slop	oes	and	
		Inspecto	or Comm	nent			

No Photos

LM Start	7.15	Rating **	М	Issue No.	217	
LM End	7.15	Issue Type +	Ma	Location *	LS	
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		38.824119		38.824119°
item				-121.7227	76°	-121.722776°
DWR ID DWR_RD1500_01_s _ 2012_217						
		Comn	nent Coc	le		

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment



View of the trees on the landward side of the levee looking upstream. Spring 2016.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	7.74	Rating **	М	Issue No.		158			
LM End	8.55	Issue Type +	Ma	Location *		LS			
Category Earthen Levee				GPS La	atitud	e/Longitude			
				Start		End			
Item	Vegetatio	egetation			27°	38.840639°			
пеш				-121.7268	04 °	-121.725550 °			
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_158								
		Comn	nent Cod	le					
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slop	oes a	and			
easements	S.								
		Inspecto	or Comm	nent					

LM Start	8.29	Rating **	М	Issue No.		150		
LM End	8.29	Issue Type +	Ma	Location *		WS		
Earthen Levee				GPS La	atitud	e/Longitude		
Category		Start		End				
Item	Erosion / Bank Caving			38.8388	802°	38.838802°		
item				-121.729598°		-121.729598°		
DWR ID DWR_RD1500_01_s _ 2016_150								
		Comn	nent Cod	le				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	tion.		
		Inspecto	or Comm	nent				
Erosion caused by vehicles and runoffs from rain.								





Updated view of the erosion site on waterward side of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	8.29	Rating **	М	Issue No.		150 (cont)		
LM End	8.29	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Erosion /	Bank Caving		38.8388	02°	38.838802 °		
пеш			-121.729598 °		-121.729598 °			
DWR ID DWR_RD1500_01_s _ 2016_150								
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
		Inspecto	or Comm	nent				
Erosion caused by vehicles and runoffs from rain.								



View of the erosion on the waterward side of the levee looking upstream. Spring 2016.

LM Start	8.33	Rating **	М	Issue No.		3		
LM End	8.47	Issue Type +	Ma	Location *	WS			
Category			GPS Latitude/Longitude					
Calegory				Start	End			
Itom		CE Erosion S	Survey,	38.839546°		38.840347 °		
ltem DRAFT				-121.7295	91 °	-121.726857 °		
DWR ID DWR_RD1500_01_s _ 2016_3								
Comment Code								

Inspector Comment

1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2013 - Might be able to shorten due to deposition. 2015: Site shortened, downstream end has plenty of berm and deposited material, well vegetated. [2015 Site ID: SAC_92-8_L]



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	8.59	Rating **	М	Issue No.		159	
LM End	9.48	Issue Type +	Ma	Location *		LS	
Catagori Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		38.8410	54°	38.851427°	
item				-121.7253	40°	-121.722703 °	
DWR ID DWR_RD1500_01_s _ 2017_159							
		Comn	nent Coo	le			
V1 : Contr	ol annual g	grass and wee	ds on th	e levee slo	pes a	and	
easements	3.						
		Inspecto	or Comm	nent			

No Photos

LM Start	9.40	Rating **	A/W	Issue No.		74			
LM End	9.57	Issue Type +	Ma	Location *		WS			
Earthen Levee				GPS La	atitud	le/Longitude			
Category				Start		End			
Item	Vegetation			38.8502	67°	38.852564 °			
пеш		-121.7232	?75 °	-121.723179°					
DWR ID DWR_RD1500_01_s _ 2012_74									
		Comn	nent Cod	de					
V8 : Enviro	onmental F	Requirements.							
Inspector Comment									

LM Start	9.40	Rating **	A/W	Issue No.	74 (cont)
LM End	9.57	Issue Type +	Ma	Location *	WS

Photo 1 of 2: SP_2017_RD1500_189_74_20170320_00043.jpg



View of the revegetation site along the edge of the berm on the waterward side of the levee looking downstream. Spring 2016.

Photo 2 of 2 : SP_2017_RD1500_189_74_20170320_00044.jpg



Sign for the revegetation site by USACE.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	9.67	Rating **	М	Issue No.		160	
LM End	9.83	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.8534	29°	38.853792	0
пеш				-121.7246	81 °	-121.727531	0
DWR ID	DWR_RD1	500_01_s _ 201	7_160				
		Comn	nent Cod	le			
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	pes	and	
easements	S.						
		Inspecto	or Comm	nent			

No Photos

LM Start	9.71	Rating **	A/W	Issue No.		162	
LM End	9.71	Issue Type +	Ma	Location *		WS	
Category	Earthen L	.evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.8535	64 °	38.853564	۰
пеш				-121.7253	79°	-121.725379	0
DWR ID	DWR_RD1	500_01_s _ 201	7_162				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Heavily accessed area for fishing. Recommend monitoring.

Photo 1 of 1: SP_2017_RD1500_189_162_20170516_00259.jpg



View of slope stability on waterside slope. Spring 2017.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	9.71	Rating **	М	Issue No.		161
LM End	11.85	Issue Type +	Ma	Location *		WS
Catagony	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		38.8536	20°	38.871969°
пеш				-121.7254	78 °	-121.750383 °
DWR ID	DWR_RD1	500_01_s _ 201	7_161			
		Comn	nent Cod	le		
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	oes a	and
easements	S.					
		Inspecto	or Comm	nent		

No Photos

LM Start	9.93	Rating **	М	Issue No.		164		
LM End	10.50	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	titud	e/Longitude		
Category				Start		End		
Vegetation 38.855095 ° 38.860990 °								
пеш				-121.7278	70°	-121.733355 °		
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_164							
		0		l_				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No	Photos

LM Start	10.65	Rating **	М	Issue No.		165	
LM End	11.26	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Start End							
Vegetation 38.861402 ° 38.865883 °							
Item -121.736176 ° -121.745489							
DWR ID	DWR_RD1	500_01_s _ 201	7_165				
	Comment Code						

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

Item	LM Start	11.34	Rating **	М	Issue No.		166
Start End	LM End	12.41	Issue Type +	Ма	Location *		LS
Start End 38.866999 ° 38.86990 -121.746149 ° -121.75970		Earthen L	evee		GPS La	atitud	le/Longitude
DWR ID DWR_RD1500_01_s _ 2017_166 Comment Code V1 : Control annual grass and weeds on the levee slopes and easements.	Calegory				Start		End
DWR ID DWR_RD1500_01_s _ 2017_166 Comment Code V1 : Control annual grass and weeds on the levee slopes and easements.	Itom	Vegetatio	n		38.8669	99°	38.869006 °
Comment Code V1 : Control annual grass and weeds on the levee slopes and easements.	item				-121.7461	49 °	-121.759788 °
V1 : Control annual grass and weeds on the levee slopes and easements.	DWR ID	DWR_RD1	500_01_s _ 201	7_166			
easements.			Comn	nent Cod	le		
Inspector Comment			grass and wee	eds on th	e levee slop	oes a	and
			Inspecto	or Comm	nent		

No Photos

LM Start	11.80	Issue No.	19						
LM End	11.98	Issue Type +	Ma	Location *		WS			
Category	Suppleme	ental		GPS Lat	tuc	le/Longitude			
Calegory	Start End								
2015 USACE Erosion Survey, 38.871853 ° 38.870581									
DRAFT -121.749330 ° -121.752059									
DWR ID DWR_RD1500_01_s _ 2016_19									
		Comn	nent Coc	10					

No Photos

Inspector Comment

1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 -New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2015: Fresh slumping. [2015 Site ID: SAC_95-8_L]

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	11.99	Rating **	A/W	Issue No.	1			
LM End	12.26	Issue Type +	Ma	Location *	WS			
Category	Supplemental				GPS Latitude/Longitude			
Calegory	Calegory					End		
Item		ACE Erosion S	Survey,	38.8704	74°	38.869139°		
пеш	DRAFT			-121.7522	37 °	-121.757108°		
DWR ID	DWR ID DWR_RD1500_01_s _ 2016_1							
Comment Code								

Inspector Comment

2000 - Vertical Modesto Formation bank with mass failure. 2003 -Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2015: Site removed, sufficient berm width. [2015 Site ID: SAC_96-2_L]



USACE 2013 Photo #1

LM Start	12.01	Rating **	М	Issue No.	116		
LM End	12.01	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Item	Erosion /	Bank Caving		38.87073	0 °	38.870730°	
пеш			-		8 °	-121.752908 °	
DWR ID	DWR_RD1	R_RD1500_01_s _ 2017_116					
Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Runoff erosion on landside levee slope.

Photo 1 of 1: SP_2017_RD1500_189_116_20170516_00260.jpg



View of erosion on landside slope. Spring 2017.

Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LNA Ctt	12.06	Rating **	М	Issue No.		168	
LM Start							
LM End	12.06	Issue Type +	Ма	Location *		WS	
Category	evee	GPS La	atitud	le/Longitude			
Category				Start		End	
Item	Erosion /	Bank Caving		38.8704	39°	38.870439 °	
item				-121.7537	'10 °	-121.753710 °	
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_168						
		Comn	nent Coo	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Runoff ero	sion on wa	aterside levee	slope.				
,							



View of erosion on waterside slope. Spring 2017.

	I						
LM Start	12.08	Rating **	М	Issue No.		167	
LM End	12.77	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Vegetatio		38.8703	69°	° 38.865512°		
пеш				-121.754009 °		-121.764482 °	
DWR ID	DWR_RD1	500_01_s _ 201	7_167				
		Comn	nent Cod	de			
	V1 : Control annual grass and weeds on the levee slopes and easements.						
	Inspector Comment						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.55	Rating **	М	Issue No.		2573		
LM End	12.55	Issue Type +	Ма	Location *		WS		
Category	Suppleme	GPS Latitude/Longitude						
Calegory				Start		End		
Item	DWR UCI	P LMA Respo	onsibility	38.8672	54°	38.867254°		
пеш				-121.7612	12 °	-121.761212 °		
DWR ID								
Comment Code								

Inspector Comment

FS_ID:50197 DS_ID:20063 EP_NO: 10061

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 08/29/2016 Same as last inspection. (K. FAzel - UCIP)01/10/2014 Needs proper abandonement. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. (Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 12.69)].

FS Date: 8/29/2016

LM Start	12.55	Rating **	М	Issue No.	2573 (cont)
LM End	12.55	Issue Type +	Ma	Location *	WS



WS view: slide gate (left) in concrete box at levee toe. Slide gate and the box mostly burried.

Photo 2 of 3: UCIP_SP_2017_50197_52424.jpg



LS view: concrete intake box on levee toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.55	Rating **	М	Issue No.	:	2573 (cont)		
LM End	12.55	Issue Type +	Ma	Location *		Location *		WS
Category	Suppleme	ental		GPS La	tituc	le/Longitude		
Calegory			Start		End			
Item	DWR UC	IP LMA Respo	onsibility	38.8672	54°	38.867254 °		
пеш				-121.7612	12 °	-121.761212°		
DWR ID								

Comment Code

Inspector Comment

FS_ID:50197 DS_ID:20063 EP_NO: 10061

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 08/29/2016 Same as last inspection. (K. FAzel - UCIP)01/10/2014 Needs proper abandonement. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. (Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 12.69)].

FS Date: 8/29/2016



LS view: silted CMP in concrete intake box on levee toe.

LM Start	12.57	Rating **	М	Issue No.		118				
LM End	12.57	Issue Type +	Ma	Location *		Location *		Location *		WS
Category	Earthen Levee			GPS Latitude/Longitude						
Calegory	ategory			Start		End				
Item	Erosion /	Bank Caving		38.8671	08°	38.867108°				
item			-121.7614	98°	-121.761498°					
DWR ID	DWR_RD1	500_01_f _ 201	5_118							

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	12.90	Rating **	М	Issue No.		169	
LM End	13.39	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		38.8644	11 °	38.862437 °	
пеш				-121.7665	38°	-121.774814°	
DWR ID	DWR_RD1	500_01_s _ 201	7_169				
		Comn	nent Cod	le			
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	oes a	and	
easements	S.						
		Inspecto	or Comm	nent			

No Photos

LM Start	13.05	Rating **	M	Issue No.		170
LM End	14.24	Issue Type +	Ma Location *			LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetatio	/egetation			13°	38.861335 °
пеш				-121.7687	21 °	-121.783610 °
DWR ID	WR ID DWR_RD1500_01_s _ 2017_170					

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

LM Start	13.98	Rating **	A/W	Issue No.		10	
LM End	14.26	Issue Type +	Ма	Location *		WS	
Category				GPS Latitude/Longitude			
Category				Start		End	
Item		ACE Erosion S	Survey,	38.85723	89°	38.861899°	
пеш	DRAFT			-121.78377	'1 °	-121.784057 °	
DWR ID DWR_RD1500_01_s _ 2016_10							
		Comn	nent Cod	le			

Inspector Comment

1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2015: No observed changes. [2015 Site ID: SAC_99-0_L]



USACE 2013 Photo #1

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	14.29	Rating **	U	Issue No.		77
LM End	14.70	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Vegetatio	n		38.8620	04°	38.865459°
item				-121.7837	'56	-121.789188 °
DWR ID DWR_RD1500_01_s _ 2017_77						
		Comn	nent Cod	le		
V1 : Contre easements	•	grass and wee	ds on th	e levee slo	pes	and
		Inspecto	or Comm	nent		



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	14.70	Rating **	М	Issue No.		115	
LM End	16.24	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Vegetation			38.8654	52 °	38.875126°	
пеш				-121.7892	04 °	-121.811792°	
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_115						
Comment Code							

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

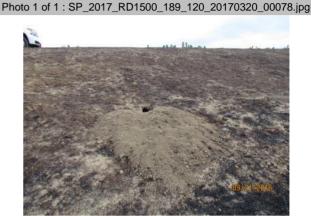
Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	15.43	Rating **	М	Issue No.	120		
LM End	15.43	Issue Type +	Ма	Location *	WS		
Category Earthen Levee				GPS La	atitud	le/Longitude	
Category	egory					End	
Item	Animal Co	ontrol		38.8694	66 °	38.869466 °	
item				-121.7989	52 °	-121.798952°	
DWR ID	DWR ID DWR_RD1500_01_f _ 2016_120						
Comment Code							

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent burrow on waterward side of the levee. Fall 2016.

LM Start	15.73	Rating **	A/W	Issue No.		2575	
LM End	15.73	Issue Type +	Ма	Location *	Location *		
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.8715	95 °	38.871595	٥
iteiii				-121.8036	48 °	-121.803648	٥
DWR ID							

Comment Code

Inspector Comment

FS_ID:50196 DS_ID:20011 EP_NO: 9337

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on

river bank. (P. Amatya - DWR)

FIELD_STRUCT_DESC: 24-inch corrugated metal pipe (CMP) through the levee, 16 feet below the crown. Slide gate in a 36-inch CMP riser on the waterside (WS) slope. Slide gate on a concrete "U" headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 15.89)].

Photo 1 of 3: UCIP_SP_2017_50196_52467.jpg



WS view: CMP riser with slide gate on levee slope.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	15.73	Rating **	A/W	Issue No.	:	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *		WS
Category	Supplemental			GPS La	tituc	le/Longitude
Calegory						End
Item	DWR UCI	P LMA Respo	onsibility	38.87159	95 °	38.871595°
пеш				-121.80364	84°	-121.803648°
DWR ID					·	

Comment Code

Inspector Comment

FS_ID:50196 DS_ID:20011 EP_NO: 9337

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR)

FIELD_STRUCT_DÉSC: 24-inch corrugated metal pipe (CMP) through the levee, 16 feet below the crown. Slide gate in a 36-inch CMP riser on the waterside (WS) slope. Slide gate on a concrete "U" headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960 (HLM 15.89)].

FS Date: 8/29/2016

LM Start	15.73	Rating **	A/W	Issue No.	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *	WS



WS view: inside view of CMP riser with slide gate.

Photo 3 of 3: UCIP_SP_2017_50196_52465.jpg



LS view: CMP outlet with slide gate and U type headwall on levee toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	16.31	Rating **	М	Issue No.		112		
LM End	18.97	Issue Type +	Ma	Location *		LS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Vegetation			38.8759	75 °	38.901461 °		
пеш				-121.8125	00°	-121.791380°		
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_112							
		Comn	nent Cod	le				
V1 : Contr	ol annual g	rass and wee	ds on th	e levee slo	pes a	and		
easements	S.							
Inspector Comment								

No Photos

LM Start	17.34	Rating **	М	Issue No.		121	
LM End	17.34	Issue Type +	Ma	Location *		WS	
Category	evee	GPS La	atitud	e/Longitude			
Category				Start		End	
Item Erosion / Bank Caving			38.888137 °		38.888137 °		
пеш				-121.807273 °		-121.807273 °	
DWR ID	DWR_RD1	500_01_f _ 201	5_121				
		Comn	nent Cod	le			
E2 : Schedule repair of erosion site prior to the next inspection.							
		Inspecto	or Comm	nent			

Pipe is causing the erosion on the berm of the levee.



Perspective view of the pump on the waterward side of the levee looking upstream. Fall 2015.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	17.34	Rating **	М	Issue No.		121 (cont)	
LM End	17.34	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.8881	37°	38.888137 °	
пеш	-121.807273 ° -121.8				-121.807273 °		
DWR ID DWR_RD1500_01_f _ 2015_121							
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Pipe is causing the erosion on the berm of the levee.							

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	10/21/2015

Photo 2 of 3: SP_2017_RD1500_189_121_20170320_00080.jpg

There is erosion underneath the pipe on the waterward berm area. Fall 2015.

 LM Start
 17.34
 Rating **
 M
 Issue No.
 121 (cont)

 LM End
 17.34
 Issue Type +
 Ma
 Location *
 WS

Photo 3 of 3: SP_2017_RD1500_189_121_20170320_00081.jpg



The concrete for the base stand has been exposed due to erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	18.38	Rating **	A/W	Issue No.		13	
LM End	19.06	Issue Type +	Ма	Location *		WS	
Supplemental				GPS Latitude/Longitude			
Calegory			Start		End		
Item	2015 USACE Erosion Survey,			38.901337°		38.902721 °	
пеш	DRAFT			-121.801175 °		° -121.790677	
DWR ID	DWR ID DWR_RD1500_01_s _ 2016_13						
Comment Code							

Inspector Comment

1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012 - Portions of site appears to be stabilizing. 2015: No observed changes. [2015 Site ID: SAC_104-0_L]



USACE 2013 Photo #1

LM Start	18.39	Rating **	М	Issue No.		113		
LM End	18.39	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Encroachments			38.901022 °		38.901022 °		
nem			-121.801150 °		-121.801150 °			
DWR ID	DWR ID DWR_RD1500_01_f _ 2016_113							
		Comn	nent Cod	le				
DE : Debri	s							
Inspector Comment								

Photo 1 of 1: SP_2017_RD1500_189_113_20170320_00069.jpg



Debris on landside slope of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	19.05	Rating **	М	Issue No.		111		
LM End	19.49	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetation			38.902450°		38.906917°		
пеш	nem				606°	° -121.793272°		
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_111							
		Comn	nent Coo	de				
	V1 : Control annual grass and weeds on the levee slopes and easements.							
Inspector Comment								
1								

No Photos

LM Start	19.16	Rating **	A/W	Issue No.		5	
LM End	19.47	Issue Type +	Ma	Location *		WS	
Category	Suppleme	GPS Lat	itud	e/Longitude			
Calegory				Start	End		
Item		ACE Erosion S	Survey,	38.90404	1 °	38.906697	0
пеш	DRAFT			-121.79029	8°	-121.792796	0
DWR ID	ID DWR_RD1500_01_s _ 2016_5						
	Comment Code						

Inspector Comment

1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_104-5_L]

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Photo 1 of 1: SP_2017_RD1500_189_5_20170320_00005.jpg

USACE 2013 Photo #1

LM Start	19.50	Rating **	М	Issue No.		93	
LM End	29.57	Issue Type +	Ma	Location *		WS	
Category	Earthen L	.evee	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	n		38.90685	3°	38.989528	0
пеш				-121.79350	7 °	-121.800491	0
DWR ID	DWR_RD1	7_93					
		Comn	nent Coc	ما			

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

-							
LM Start	19.50	Rating **	М	Issue No.		94	
LM End	29.57	29.57 Issue Type + Ma Location * LS					
Catagony	Earthen L	GPS La	atitud	e/Longitude			
Calegory	Category Start End						
Item	Vegetation 38.906853 ° 38.989529						
пеш	-121.793507 ° -121.800491 °						
DWR ID DWR_RD1500_01_s _ 2017_94							
		Comn	nent Cod	de			
V1 : Contre	•	grass and wee	eds on th	e levee slop	oes a	and	
		Inspecto	or Comm	nent			

No Photos

LM Start	19.87	Rating **	М	Issue No.		96
LM End	19.87	Issue Type +	Ma	Location *		LS
Category	Earthen L	.evee	GPS La	titud	le/Longitude	
Calegory				Start		End
Item	Animal Co	ontrol		38.9062	60°	38.906260 °
пеш				-121.8001	29°	-121.800129°
DWR ID DWR_RD1500_01_f _ 2016_96						
	Comment Code					

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	21.57	Rating **	М	Issue No.	D. 97		
LM End	21.57	21.57 Issue Type + Ma Location * WS					
Catagony	Category Earthen Levee GPS Latitude/Longitude						
Calegory				Start		End	
Item	Encroach	Encroachments 38.916196 ° 38.916196					
пеш		-121.8085				-121.808595 °	
DWR ID	DWR_RD1	500_01_f _ 201	6_97				
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	nent			

No Photos

LM Start	21.65	Rating **	М	Issue No.		95
LM End	21.65	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory						End
Item	Animal Co	ontrol		38.9161	19°	38.916119°
пеш					63°	-121.810163 °
DWR ID	ID DWR_RD1500_01_s _ 2017_95					
		_				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Rodent holes on waterside shoulder.

Photo 1 of 1 : SP_2017_RD1500_189_95_20170516_00249.jpg



View of rodent holes on waterside shoulder. Spring 2017.

LM Start	24.65	Rating **	С	Issue No.		100	
LM End	24.65	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitude	e/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		38.9418	77°	38.941877	0
пеш				-121.8332	17°	-121.833217	0
DWR ID	DWR_RD1	500_01_f _ 201	6_100				
		Comp	ont Coo	10			

Comment Code

A1 : Exterminate rodents and backfill and compact or grout burrows.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	24.76	Rating **	U	Issue No.		102
LM End	24.76	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start	End	
Item	Animal Co	ontrol		38.9428	28°	38.942828°
item				-121.8348	11 °	-121.834811 °
DWR ID	DWR_RD1	500_01_f _ 201	5_102			
		Comn	nent Cod	le		
A1 : Exterr	minate rod	ents and back	fill and o	compact or	grou	it burrows.
		Inspecto	or Comm	nent		

hoto 1 of 3 : SP_2017_RD1500_189_102_201703	•	
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	-5 e	

A number of burrows was observed at this site on landward slope. Fall 2016.

LM Start 24.76 Rating ** U Issue No. 102 (cont) LM End 24.76 Issue Type + Ma Location * LS

Photo 2 of 3: SP_2017_RD1500_189_102_20170320_00059.jpg



Landside slope perspective view. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

		5 :: ++					
LM Start	24.76	Rating **	U	Issue No.		102 (cont)	
LM End	24.76	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.9428	28°	38.942828°	
пеш	-121.834811 ° -121.83						
DWR ID	DWR_RD1	500_01_f _ 201	5_102				
		Comn	nent Cod	le			
A1 : Exteri	minate rod	ents and back	fill and o	compact or	grou	it burrows.	
		Inspecto	or Comm	nent			



View of rodent hole on the landward side of the levee looking upstream. Spring 2016.

LM Start	24.82	Rating **	С	Issue No.		101	
LM End	24.82	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.9435	10°	38.943510	
пеш				-121.8354	31 °	-121.835431	
DWR ID	DWR_RD1	500_01_f _ 201	6_101				
		Comn	nent Cod	le			
A1 : Exterr	minate rod	ents and back	fill and c	compact or	grou	t burrows.	
		Inspecto	or Comm	nent			

No Photos

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	24.98	Rating **	С	Issue No.		103	
LM End	24.98	Issue Type +	Ma	Location *		LS	
Cotogony	Earthen L	evee		GPS La	titud	le/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		38.9458	61 °	38.945861 °	
пеш				-121.8359	64 °	-121.835964 °	
DWR ID	DWR_RD1	500_01_f _ 201	6_103				
		Comn	nent Cod	le			
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			

No Photos

LM Start	25.68	Rating **	U	Issue No.		104
LM End	25.68	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Animal Co	ontrol		38.9554	45°	38.955445 °
item				-121.8374	73 °	-121.837473 °
DWR ID	DWR_RD1	500_01_f _ 201	6_104			
		Comn	nent Coc	le		

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



More than 2 cu.ft. of soil was observed around burrows on LS slope of the levee. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	28.94	Rating **	A/W	Issue No.		84
LM End	29.17	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory			Start		End	
Item	Vegetatio	n		38.9880	72°	38.988572 °
item				-121.8117	'37 °	-121.807520 °
DWR ID	DWR_RD1	500_01_s _ 201	2_84			
		Comn	nent Cod	de		
V8 : Enviro	onmental F	Requirements.				
		Inonacto	or Comp	nant		
		Inspecto	or Comm	ient		

1	None of	Anting	100.4
A PROPERTY OF			

Photo 1 of 2: SP_2017_RD1500_189_84_20170320_00047.jpg

View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

LM Start 28.94 Rating ** A/W Issue No. 84 (cont) LM End 29.17 Issue Type + Ma Location * WS

Photo 2 of 2: SP_2017_RD1500_189_84_20170320_00048.jpg



Sign for the revegetation site. Spring 2016.

LM Start	29.92	Rating **	М	Issue No.	110	
LM End	30.13	Issue Type +	Ма	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.9931	35°	38.995898°
				-121.795859 °		-121.794334°
DWR ID	DWR_RD1500_01_s _ 2017_110					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	29.92	Rating **	М	Issue No. 12		126
LM End	30.21	Issue Type +	Ma	Location *		LS
Category	Earthen L		GPS La	atitud	e/Longitude	
Calegory		Start		End		
Vegetation Item			38.9931	35°	38.996898 °	
пеш				-121.7958	59°	-121.794645 °
DWR ID DWR_RD1500_01_s _ 2017_126						
		Comn	nent Cod	le		
V1 : Contre easements		grass and wee	eds on th	e levee slo	pes a	and
		Inspecto	or Comm	nent		

No Photos

		5 11 44						
LM Start	30.28	Rating **	М	Issue No.		130		
LM End	32.94	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Vegetatio	n	38.9978	81 °	39.020168 °			
пеш			-121.795362 °		-121.820345 °			
DWR ID	DWR_RD1	500_01_s _ 201	7_130					
		Comn	nent Cod	le				
	V1 : Control annual grass and weeds on the levee slopes and easements.							

No Photos

Inspector Comment

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	30.28	Rating **	М	Issue No.		139
LM End	30.78	Issue Type +	Ma	Location *	LS	
Category	Earthen L	GPS La	atitud	e/Longitude		
Calegory	gory					End
Item	Vegetation			38.9978	82°	39.002013 °
item				-121.795362 °		-121.802753 °
DWR ID	DWR_RD1	500_01_s _ 201	7_139			
		Comn	nent Cod	le		
V1 : Contro easements		grass and wee	eds on th	e levee slo	oes a	and
		Inspecto	or Comm	nent		

No Photos

LM Start	30.60 Rating **		A/W	Issue No.	22		
LM End	30.75	Issue Type +	Ma	Location *	WS		
Category	Suppleme	ental		GPS Lati	tud	e/Longitude	
Category		Start		End			
ltom		ACE Erosion S	Survey,	38.99974	5°	39.001413	۰
Item	DRAFT			-121.800898	3°	-121.802889	۰
DWR ID	DWR_RD1	500_01_s _ 201					

Comment Code

Inspector Comment

2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_116-0_L]

Photo 1 of 1: SP_2017_RD1500_189_22_20170320_00020.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	30.86	Rating **	М	Issue No.		141
LM End	32.94	Issue Type +	Ma	Location *	n* LS	
Cotogony	Earthen Levee			GPS La	atitud	e/Longitude
Category				Start		End
Vegetation		39.0028	81 °	39.020168°		
item				-121.8036	37°	-121.820345 °
DWR ID	DWR_RD1	500_01_s _ 201	7_141	'		
		Comn	nent Cod	le		
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slop	oes a	and
easements	S.					
		Inspecto	or Comm	nent		

No Photos

LM Start	30.94 Rating ** A/W		Issue No.	15			
LM End	31.60	Issue Type +	Ma	Location *	WS		
Category	Suppleme	ental		GPS Lat	tud	e/Longitude	
Category				Start		End	
ltom		ACE Erosion S	Survey,	39.00330	1°	39.006072	0
Item	DRAFT			-121.80502	4°	-121.815926	٥
DWR ID	DWR_RD1						

Comment Code

Inspector Comment

2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_116-5_L]

Photo 1 of 1: SP_2017_RD1500_189_15_20170320_00014.jpg



USACE 2013 Photo #1

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	31.48	Rating **	М	Issue No.	143			
LM End	31.61	Issue Type +	Ma	Location *	CR			
Cotogony	Earthen Levee			GPS La	GPS Latitude/Longitude			
Category	egory					End		
Item	Vegetation			39.0068	55 °	39.006486 °		
пеш			-121.8137	01 °	-121.816119°			
DWR ID	DWR ID DWR_RD1500_01_s _ 2017_143							
		Comn	nent Cod	le				
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slop	oes	and		
easements	S.							
		Inspecto	or Comm	nent				

No Photos

LM Start	32.98	Rating **	М	Issue No.		144		
LM End	32.98	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Erosion /	Bank Caving		39.0207	82 °	39.020782	0	
пеш				-121.8202	75 °	-121.820275	0	
DWR ID	DWR_RD1	500_01_s _ 201	7_144					
	Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Runoff erosion on landside slope.



View of erosion on landside slope. Spring 2017.

LM Start	32.98	Rating **	М	Issue No.		107		
LM End	32.98	Issue Type +	Ма	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Item	Animal Control			39.020874°		39.020874°		
пеш			-121.820266 °		-121.820266 °			
DWR ID DWR_RD1500_01_f _ 2016_107								
	Comment Code							

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of rodent burrows on landside slope. Fall 2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	05/09/2017 05/16/2017	Zach Jojola

LM Start	32.99	Rating **	М	Issue No.	106			
LM End	32.99	Issue Type +	Ма	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Category				Start		End		
Erosion / Bank Caving			39.0210)16°	39.021016°			
item	3111				261°	-121.820261 °		
DWR ID DWR_RD1500_01_f _ 2016_106								
Comment Code								
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
Inspector Comment								



View of erosion site on LS slope of the levee. Fall 2016.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.		17			
LM End	20.72	Issue Type +	Ma	Location *		LS			
Cotagon Earthen Levee			GPS La	atitud	e/Longitude				
Category				Start		End			
Vegetation Item				38.7610	82°	39.021279°			
пеш	item				95°	-121.741092 °			
DWR ID DWR_RD1500_02_s _ 2017_17									
	Comment Code								
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo _l	pes a	and			
easements	S.								
		Inspecto	or Comm	nent					

No Photos

LM Start	0.02	Rating **	М	Issue No.		18		
LM End	20.72	Issue Type +	Ma	Location *		WS		
Category Earthen Levee			GPS Latitude/Longitude					
Calegory				Start		End		
Vegetation			38.761313°		39.021279°			
пеш			-121.674318 °		-121.741092 °			
DWR ID	DWR ID DWR_RD1500_02_s _ 2017_18							
Comment Code								
V1 : Contro	V1 : Control annual grass and weeds on the levee slopes and							

No Photos

easements.

Inspector Comment

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		23	
LM End	1.92	Issue Type +	Ма	Location *	WS		
Catagony	Supplemental Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility		38.78386	55°	38.783865		
пеш				-121.655170 °		-121.655170	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28886 DS_ID:20020 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 1 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M

Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	23 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).



WS view: motorized slide gates in CM shed on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		23 (cont)	
LM End	1.92	Issue Type +	Ма	Location *	WS		
Category			GPS Latitude/Longitude				
Calegory				Start End			
Item	DWR UC	IP LMA Respo	nsibility	38.78386	5 °	38.783865 °	
пеш				-121.65517	° 0	-121.655170 °	
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:28886 DS_ID:20020 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 1 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M

Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014



LS view: pump house at the end of levee berm.

LM Start	1.92	Rating **	A/W	Issue No.		24	
LM End	1.92	Issue Type +	Ma	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UC	DWR UCIP LMA Responsibility			35 °	38.783885	
пеш				-121.65515	8°	-121.655158	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28883 DS_ID:20027 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 2 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

Photo 1 of 3: UCIP_SP_2017_28883_53085.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		24 (cont)	
LM End	1.92	Issue Type +	Ма	Location *		WS	
Category	Supplemental			GPS La	tituc	le/Longitude	
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			38.78388	35 °	38.783885	0
пеш				-121.65515	58°	-121.655158	0
DWR ID							

Comment Code

Inspector Comment

FS_ID:28883 DS_ID:20027 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 2 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	24 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS



WS view: motorized slide gates in CM shed on levee shoulder.

Photo 3 of 3: UCIP_SP_2017_28883_53084.jpg



LS view: pump house at the end of levee berm.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		25	
LM End	1.92	Issue Type +	Ма	Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			38.78390	04°	38.783904 °	
пеш				-121.6551	49 °	-121.655149°	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28884 DS_ID:20028 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 3 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M

Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	25 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).



WS view: motorized slide gates in CM shed on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		25 (cont)	
LM End	1.92	Issue Type +	Ма	Location *		WS	
Supplemental				GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.783904°		38.783904°	
пеш			-121.6551	49 °	-121.655149°		
DWR ID							
Comment Code							

Inspector Comment

FS_ID:28884 DS_ID:20028 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 3 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M

Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014



LS view: pump house at the end of levee berm.

LM Start	1.92	Rating **	A/W	Issue No.		26		
LM End	1.92	Issue Type +	Ma	Location *		WS		
Category	Supplemental				GPS Latitude/Longitude			
Category				Start		End		
Item	DWR UC	38.7839	24°	38.783924 °				
пеш				-121.6551	40°	-121.655140 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:28885 DS_ID:20029 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 4 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

Photo 1 of 3: UCIP_SP_2017_28885_53095.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.		26 (cont)		
LM End	1.92	Issue Type +	Ma	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory				Start		End		
Item	DWR UCIP LMA Responsibility				24°	38.783924°		
пеш				-121.6551	40°	-121.655140 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:28885 DS_ID:20029 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.

FIELD_STRUCT_DESC: 4 of 4: Four 6 ft x 7 ft concrete conduits through levee with concrete cut-off walls and reinforced concrete headwall. Reclamation District 1500 pumping plant on landside. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	26 (cont)
LM End	1.92	Issue Type +	Ma	Location *	WS



WS view: motorized slide gates in CM shed on levee shoulder.

Photo 3 of 3: UCIP_SP_2017_28885_53093.jpg



LS view: pump house at the end of levee berm.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.		27	
LM End	1.93	Issue Type +	sue Type + Ma Loc			WS	
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			38.7840	97°	38.784097 °	
пеш				-121.6550	73 °	-121.655073 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28954 DS_ID:20019 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder.

FIELD_STRUCT_DESC: 1 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	27 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3: UCIP_SP_2017_28954_53259.jpg



WS view: concrete surge structure on waterside shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.		27 (cont)					
LM End	1.93	Issue Type + Ma Location *		Issue Type + Ma Location *		Issue Type + Ma Location *		Issue Type + Ma Location *		WS	
Category				GPS Latitude/Longitude							
Calegory				Start		End					
Item	DWR UCI	P LMA Respo	onsibility	38.78409	97°	38.784097°					
item				-121.6550	73 °	-121.655073 °					
DWR ID						·					

Comment Code Inspector Comment

FS_ID:28954 DS ID:20019 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder

FIELD STRUCT DESC: 1 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June

1954. Latest revision March 2011.

FS Date: 1/21/2014



WS view: USED Bench Mark on concrete structure on levee shoulder.

LM Start	1.93	Rating **	A/W	Issue No.		28		
LM End	1.93	Issue Type +	Ма	Location *	WS			
Category	Suppleme	ental	GPS Latitude/Longitude					
Calegory				Start		End		
Item	DWR UCIP LMA Responsibility				1 °	38.784111 °		
пеш				-121.65506	67°	-121.655067 °		
DWR ID						·		
Comment Code								

Inspector Comment

FS_ID:28955 DS ID:20025 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at levee shoulder.

FIELD_STRUCT_DESC: 2 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

Photo 1 of 3: UCIP SP 2017 28955 53265.jpg



WS view: U type concrete headwall and flap gates on levee toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

1.93	Rating **	A/W	Issue No.		28 (cont)			
1.93	Issue Type +	sue Type + Ma			WS			
Category Supplemental				GPS Latitude/Longitude				
			Start		End			
DWR UCI	P LMA Respo	nsibility	38.78411	1°	38.784111 °			
			-121.65506	7 °	-121.655067 °			
	1.93 Suppleme	1.93 Issue Type + Supplemental	1.93 Issue Type + Ma	1.93 Issue Type + Ma Location * Supplemental GPS Lat Start DWR UCIP LMA Responsibility 38.78411	1.93 Issue Type + Ma Location * Supplemental GPS Latitud Start			

Comment Code

Inspector Comment

FS_ID:28955 DS_ID:20025 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at levee

shoulder.

FIELD_STRUCT_DESC: 2 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	28 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_28955_53263.jpg

WS view: concrete surge structure on waterside shoulder.

Photo 3 of 3: UCIP_SP_2017_28955_53264.jpg



WS view: USED Bench Mark on concrete structure at levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.		29
LM End	1.93	Issue Type +	Ма	Location *		WS
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Itom	DWR UC	WR UCIP LMA Responsibility			27°	38.784127 °
пеш	Item			-121.6550	57°	-121.655057 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:28956 DS_ID:20026 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder.

FIELD_STRUCT_DESC: 3 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	29 (cont)
LM End	1.93	Issue Type +	Ma	Location *	WS



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3: UCIP_SP_2017_28956_53268.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.93	I.93 Rating **		Issue No.		29 (cont)		
LM End	1.93	Issue Type +	Ма	Location *	WS			
Category	Supplemental			GPS Latitude/Longitude				
Calegory				Start En	End			
ltom	DWR UCI	DWR UCIP LMA Responsibility			27°	38.784127 °		
Item			-121.6550	57°	-121.655057 °			
DWR ID								

Comment Code

Inspector Comment

FS_ID:28956 DS ID:20026 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: USED Bench Mark on concrete structure at waterside

shoulder.

FIELD STRUCT DESC: 3 of 3: Three 4x4 feet concrete conduits through levee, 37 feet below crown, pumps in concrete pump house on landside. Slide gates mounted on concrete structure on waterside slope. Discharge in borrow pit. Flap gates on waterside end. (ABO No. 10088 - R.D. 1500). Pumping plant 2. O&M Manual Sac 129, June

1954. Latest revision March 2011.

FS Date: 1/21/2014



WS view: USED Bench Mark on concrete structure at levee shoulder.

LM Start	1.98	Rating **	A/W	Issue No.	30		
LM End	1.98	Issue Type +	Ma	Location *	WS		
Category			GPS Latitude/Longitude				
Calegory		upplemental WR UCIP LMA Responsibil		Start		End	
Item	DWR UC	IP LMA Respo	nsibility	38.7847	83 °	38.784783	٥
пеш				-121.6547	91 °	-121.654791	0
DWR ID							

Comment Code

Inspector Comment

FS_ID:28891 DS ID:20088 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 1 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

Photo 1 of 3: UCIP SP 2017 28891 53137.jpg



WS view: slide gate in concrete box on levee shoulder.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.		30 (cont)		
LM End	1.98	Issue Type +	Ма	Location *	WS			
Category	Supplemental			GPS Latitude/Longitude				
Calegory				Ma Location * WS GPS Latitude/Longitude Start End billity 38.784783 ° 38.7847	End			
Item	DWR UCI	OWR UCIP LMA Responsibility			3°	38.784783	٥	
пеш				-121.65479	11°	-121.654791	0	
DWR ID								

Comment Code

Inspector Comment

FS_ID:28891 DS_ID:20088 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 1 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.98	Rating **	A/W	Issue No.	30 (cont)
LM End	1.98	Issue Type +	Ma	Location *	WS

Photo 2 of 3: UCIP_SP_2017_28891_53136.jpg

WS view: inside view of concrete box on levee shoulder.

Photo 3 of 3: UCIP_SP_2017_28891_53135.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.		31
LM End	1.98	Issue Type +	Ма	Location *	WS	
Category			GPS Latitude/Longitude			
Calegory			Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.78481	8 °	38.784818
item				-121.65477	8 °	-121.654778
DWR ID						

Comment Code

Inspector Comment

FS_ID:28892 DS_ID:20092 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 2 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.98	Rating **	A/W	Issue No.	31 (cont)
LM End	1.98	Issue Type +	Ma	Location *	WS

Photo 1 of 3: UCIP_SP_2017_28892_53147.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Photo 2 of 3: UCIP_SP_2017_28892_53146.jpg



WS view: slide gate in concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.98	1.98 Rating ** A/W		Issue No.		31 (cont)	
LM End	1.98	Issue Type + Ma		Location *	WS		
Category Supplemental			GPS Latitude/Longitude				
Calegory			Start		End		
Item	DWR UCI	P LMA Respo	nsibility	38.78481	8°	38.784818	0
пеш				-121.65477	8°	-121.654778	0
DWR ID							

Comment Code

Inspector Comment

FS_ID:28892 DS_ID:20092 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 2 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014



WS view: inside view of concrete box on levee shoulder.

LM Start	1.99	Rating **	A/W	Issue No.	32				
LM End	1.99	Issue Type +	Ма	Location *	WS				
Category			GPS Latitude/Longitude						
Calegory	Start				End				
Item	DWR UC	IP LMA Respo	nsibility	38.784856°		38.784856 °			
пеш				-121.65476	2 °	-121.654762 °			
DWR ID									
Comment Code									

Inspector Comment

FS_ID:28893 DS_ID:20093 EP_NO: 10088 Repair Type: No Action Nee

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 3 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

Photo 1 of 3: UCIP SP 2017 28893 53157.jpg



WS view: slide gate in concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	1.99	Rating ** A/W		Issue No.		32 (cont)	
LM End	1.99	Issue Type + Ma		Location *		WS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	38.78485	6°	38.784856 °	
пеш				-121.65476	2°	-121.654762 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:28893 DS_ID:20093 EP_NO: 10088

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder. FIELD_STRUCT_DESC: 3 of 3: Three 7-foot by 7-foot concrete culverts through levee 24.0-feet below crown. Pumps in concrete pump house on landward side. Slide gates on concrete structure on waterward slope. Discharge in concrete spillway and borrow pit. Ramp on waterward slope. (ABO No. 10088 R.D. 1500). O&M Manual Sac 129, June 1954. Latest revision March 2011.

FS Date: 1/21/2014

LM Start	1.99	Rating **	A/W	Issue No.	32 (cont)
LM End	1.99	Issue Type +	Ma	Location *	WS

Photo 2 of 3: UCIP_SP_2017_28893_53156.jpg

WS view: inside view of concrete box on levee shoulder.

Photo 3 of 3: UCIP_SP_2017_28893_53155.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	7.17	Rating **	М	Issue No.		20	
LM End	7.17	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Encroach	ments		38.8574	81 °	38.857481 °	
пеш				-121.6509	31 °	-121.650931 °	
DWR ID	DWR ID DWR_RD1500_02_s _ 2017_20						
		Comn	nent Cod	le			
TR : Tree	or limb						
		Inspecto	or Comm	nent			
Fallen tree	on waters	ide slope.					

No Photos

LM Start	9.73	Rating **	С	Issue No.		19	
LM End	9.73	Issue Type +	Ма	Location *	WS		
Category Earthen Levee		GPS La	atitud	e/Longitude			
Calegory				Start		End	
Item	Encroach	ments		38.8916	30°	38.891630°	
пеш				-121.6363	93 °	-121.636393 °	
DWR ID	DWR_RD1	500_02_s _ 201	6_19				
		Comn	nent Cod	de			
TR : Tree	or limb						
		Inspecto	or Comm	nent			
Fallen tree	on waters	side slope.					

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

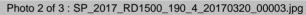
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	14.13	Rating **	U	Issue No.		4	
LM End	14.13	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS L	atitud	le/Longitude	
Calegory				Start		End	
Item	Undersee	/ells	38.9476	28°	38.947628 °		
item				-121.6697	'64 °	-121.669764°	
DWR ID DWR_RD1500_02_s _ 2012_4							
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
Concrete pad and PVC underneath is broken.							

hoto 1 of 3 : SP	_2017_RD1	500_190_4_2	20170320_	_00002.jp
No da	AND	- Wa-	-12	M.S. Marie
				-91
			09721	2016

View of underseepage relief well. Concrete pad as well as PVC pipes underneath are destroyed apparently by an attempt to pull out the head of the well. Fall 2016.

LM Start	14.13	Rating **	U	Issue No.	4 (cont)
LM End	14.13	Issue Type +	Ma	Location *	LS





Another view of damaged well. Fall 2016.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	14.13	Rating **	U	Issue No.		4 (cont)
LM End	14.13	Issue Type +	Ma	Location *	LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Underseepage Relief Wells			38.9476	28°	38.947628
item				-121.6697	-121.669764	
DWR ID	DWR_RD1	500_02_s _ 201	2_4			
		Comn	nent Cod	de		
		la an a at-	0			
		Inspecto	or Comm	ient		
Concrete pad and PVC underneath is broken.						

noto 3 of 3 : SP_2017_RD	01500_190_4	_20170320_0000	4.jpg
		Ca A	
A Marine and			
A STATE OF THE PARTY OF THE PAR	TANK!		
		The same of the sa	
		t one	23
	1 227	10/20/2015	7
Market State of the State of th			-

View of the relief well at historical boil 12. Fall 2015.

11101	14.47	Rating **	A/W	Issue No.		11	
LM Start	14.47	Rating	A/VV	issue ivo.		11	
LM End	14.47	Issue Type +	Ma	Location *		LS	
Category	Catagonia Earthen Levee				atitud	le/Longitude	
Calegory	megory					End	
Item	Underseepage Relief Wells			38.9514	13°	38.951413 °	
пеш					56°	-121.673856 °	
DWR ID	DWR_RD1	500_02_s _ 201	2_11				
		Comn	nent Cod	le			
						-	
		Inspecto	or Comm	nent			



A relief well at historical boil 16. Fall 2015.

	D .: ++					
16.01	Rating **	М	Issue No.		2	
16.01	Issue Type +	Ma	Location *		WS	
Earthen L	evee		GPS La	atitud	e/Longitude	
			Start		End	
Encroach	38.9668	04°	38.966804	0		
				27°	-121.694527	0
DWR_RD1	500_02_s _ 201	7_2				
	Comn	nent Cod	le			
or limb						
	Inspecto	or Comm	nent			
on waters	ide slope.					
	Earthen L Encroachi DWR_RD1 or limb	16.01 Issue Type + Earthen Levee Encroachments DWR_RD1500_02_s _ 201 Comnor limb	16.01 Issue Type + Ma Earthen Levee Encroachments DWR_RD1500_02_s_2017_2 Comment Cocor limb Inspector Comm	16.01 Issue Type + Ma Location *	16.01 Issue Type + Ma Location *	16.01 Issue Type + Ma Location * WS

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

LM Start	18.17	Rating **	A/W	Issue No.		13	
LM End	18.17	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Undersee	page Relief W	/ells	38.9870	31 °	38.987031 °	
пеш					-121.725049 °		
DWR ID	DWR ID DWR_RD1500_02_s _ 2012_13						
		Comn	nent Cod	de			
			0				
		Inspecto	or Comn	nent			

LM Start	18.17	Rating **	A/W	Issue No.	13 (cont)
LM End	18.17	Issue Type +	Ma	Location *	LS



Two of four drains on the landward side of the levee. Fall 2015.

Photo 2 of 2: SP_2017_RD1500_190_13_20170320_00008.jpg



View of the 4 drains at the levee toe on the landward side. Fall 2015.

LM Start	18.43	Rating **	A/W	Issue No.	15		
LM End	18.43	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start 38.989962 ° -121.727896 °	End		
Item	Underseepage Relief Wells			38.989962°		38.989962 °	
				-121.727896°		-121.727896°	
DWR ID	DWR_RD1500_02_s _ 2015_15						
Comment Code							
			_				
Inspector Comment							



View of the toe drainage at the landward toe berm. Fall 2015.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	05/17/2017 05/17/2017	Zach Jojola

-							
LM Start	20.19	Rating **	М	Issue No.		21	
LM End	20.19	Issue Type +	Ma	Location *		WS	
Cotomoni	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Encroachments			39.013963 °		39.013963 °	
				-121.738087 °		-121.738087 °	
DWR ID	DWR_RD1500_02_s _ 2017_21						
Comment Code							
TR : Tree	or limb						
Inspector Comment							
Fallen tree on waterside slope.							

No Photos

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement